

Instructions for Using the CAD model STEP file

- 1) Model files are in mm.
- 2) STEP version is 214 (STEP214).
- 3) Top level assembly part file named "TPF-C_assy"
- 4) GAI volume part file named "GAC_Volume1" and is part of "telescope_assy" assembly in hierarchy.
- 5) Origin of the assembly is the vertex of front face-sheet of primary mirror. Z-axis points from primary to secondary, y-axis is along minor axis of mirror, and x-axis is along major axis of mirror.
- 6) Current model as of 3/28/05 of only the components inside the thermal enclosure and behind the primary mirror. External radiators also are part of the model. M3 currently does not fit within allocated volume, but surface is placed correctly.
- 7) Part file named "thermal_enclosure" **may** import with 3 solids (2 curved surfaces and a solid I-beam structure) that do not belong to the part. These parts should be deleted. The only part that should remain is the part that "boxes" around the primary mirror and encloses the components behind the primary mirror.
- 8) Best results will be obtained when importing into Solidworks2004 or UG-NX2.